

# ALPHA-FETOPROTEIN PEPTIDES AND USES THEREOF

## ABSTRACT OF THE DISCLOSURE

The subject invention addresses the need for methods  
5 of treatment and prevention of breast cancer, and other  
cancers, by providing a peptide of eight to twenty amino  
acids in length which comprises a hydrophilic analog of  
an alpha-fetoprotein peptide having SEQ ID NO:6:  
EMTPVNPG. The peptides may be linear, but are preferably  
10 cyclic. The peptides may be provided as dimers or other  
multimers. A composition comprising the peptide, an  
antibody that specifically binds to the peptide, a method  
of reducing estrogen-stimulated growth of cells using the  
peptide, as well as a method of treating or preventing  
15 cancer, such as breast cancer, are also provided. The  
treatment or prevention method can include the use of  
tamoxifen therapy in combination with the peptide  
therapy.

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